ABSTRACT OF THE DISCLOSURE

A color gamut compression apparatus for converting a source color generated by an information-input apparatus into a target color inside a color gamut reproducible by an information-output apparatus includes: a point of convergence computation part for computing a point of convergence for a chromatic color such that the point of convergence has the same hue value as a hypothetical chromatic color that would be reproduced by the information-output apparatus based on a digital signal value for the information-input apparatus corresponding to a color determined by the source color, and lies inside the color gamut of the information-output apparatus; a first point of compression computation part for computing a point of compression such that the point of compression lies on a substantially straight line connecting the point of convergence and the source color, and lies inside the color gamut of the information-output apparatus; and a compression part for converting the source color into the target color corresponding to the point of compression computed by said first point of compression computation part.